Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-10-03-01** **Date: 07-10-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-10-18
Sample ID No	:	2018-10-03-01 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	04-10-18
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.8	–
2	Finess by Air permeablity method (m^2/kg,Min)	285.0	225m^2/kg, Min
3	Density (gm/cc)	3.15	–
4	Standard Consistency (%)	0.285	Not specified
5	Initial Setting time (minutes)	180 minutes	Not less than 30 minutes
6	Final Setting time (minutes)	275 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method) (mm)	1.4 mm	Not more than 10 mm

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-10-03-01** **Date: 11-10-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-10-18
Sample ID No	:	2018-10-03-01 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	04-10-18
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

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Compressive Strength			
Sl.No.	**Physical properties**	**Results (N/mm²)**	**Requirement as per IS 12269: 2013**
1	3 Days	28.0N/mm2	Not less than 27 N/mm²
2	7 Days	39.0N/mm2	Not less than 37 N/mm²

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2018-10-03-01** **Date: 05-10-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-10-18
Sample ID No	:	2018-10-03-01 /05
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	04-10-18

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.392	542	672	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.615	568	685	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.887	585	692	19.0%	Satisfactory	Satisfactory

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TEST REPORT OF PRECAST COVER SLAB

Date: 08-10-18

Lab ID	:	**CP-2018-10-03-01**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-10-18
Sample ID No	:	2018-10-03-01 /06
Sample Type /Size	:	Precast Cover Slab (100mm thick)
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	04/10/2018

Sl No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.48	1.116	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.122	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.118	4476	81.5	18.2	16.9	21.2

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-10-03-01** **Date: 05-10-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-10-18
Sample ID No	:	2018-10-03-01 /02(b)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	03-10-18

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SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	318	318	6.4	93.6	90-100
3	10 mm	2852	3170	63.4	36.6	25-55
4	4.75 mm	1622	4792	95.8	4.2	0-10
5	Pan	208	5000	100	0	–

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2018-10-03-01** **Date: 05-10-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-10-18
Sample ID No	:	2018-10-03-01 /03
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	03-10-18
Total weight taken	:	1000 grams

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Sl. No	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	57	57	5.7	94.3	90-100	90-100	90-100	95-100
3	2.36 mm	129	186	18.6	81.4	60-95	75-100	85-100	95-100
4	1.18 mm	219	405	40.5	59.5	30-70	55-90	75-100	90-100
5	600 micron	203	608	60.8	39.2	15-34	35-59	60-79	80-100
6	300 micron	179	787	78.7	21.3	5-20	8-30	12-40	15-50
7	150 micron	149	936	93.6	6.4	0-10	0-10	0-10	0-15
8	Pan	64	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-10-03-01** **Date: 05-10-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	03-10-18
Sample ID No	:	2018-10-03-01 /02(a)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	03-10-18

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SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	280	280	1.9	98.1	90-100
3	20 mm	5289	5569	37.1	62.9	30-70
4	10 mm	4700	10269	68.5	31.5	10-35
5	4.75 mm	4190	14459	96.4	3.6	0-5
6	Pan	541	15000	100.0	0	---

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-10-13-01** **Date: 17/10/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-10-18
Sample ID No	:	2018-10-13-01 /01
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	17/10/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	M20 Concrete	M20	10/10/2018	17/10/2018	150.76 X 149.13 X 150.35	22483	8.274	416.2	18.5	18.6
2	M20 Concrete	M20	10/10/2018	17/10/2018	151.29 X 151.05 X 149.23	22852	8.155	424.7	18.6	
3	M20 Concrete	M20	10/10/2018	17/10/2018	149.15 X 151.41 X 149.40	22582	8.367	424.8	18.8	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-10-13-01** **Date: 17/10/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-10-18
Sample ID No	:	2018-10-13-01 /03
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/10/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	10/10/2018	17/10/2018	151.51 X 150.47 X 150.21	22797	8.174	429.6	18.8	18.6
2	M20 Concrete	M20	10/10/2018	17/10/2018	150.97 X 150.50 X 149.24	22722	8.273	421.2	18.5	
3	M20 Concrete	M20	10/10/2018	17/10/2018	151.26 X 150.90 X 151.79	22824	8.253	421.3	18.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/11/2018

Lab ID	:	**CP-2018-10-13-01**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-10-18
Sample ID No	:	2018-10-13-01 /04
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

Date of test : 07/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	10/10/2018	07/11/2018	151.93 X 150.90 X 149.23	22927	8.128	547.5	23.9	23.2
2	M20 Concrete	M20	10/10/2018	07/11/2018	149.35 X 150.78 X 150.08	22520	8.431	501.8	22.3	
3	M20 Concrete	M20	10/10/2018	07/11/2018	150.75 X 151.90 X 150.70	22899	8.268	538.9	23.5	

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Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-10-13-01** **Date: 17/10/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-10-18
Sample ID No	:	2018-10-13-01 /05
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/10/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	10/10/2018	17/10/2018	150.89 X 149.10 X 150.72	22497	8.309	406.2	18.1	18.3
2	M20 Concrete	M20	10/10/2018	17/10/2018	149.25 X 149.91 X 151.61	22373	8.347	405.9	18.1	
3	M20 Concrete	M20	10/10/2018	17/10/2018	150.32 X 150.98 X 151.99	22695	8.104	421.9	18.6	

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FOR CIVIL Pro.

B.KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro BANGALORE Sig..... Date.....

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****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-10-13-01 **Date: 07/11/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore

Address : Yelahanka Sub Division, BBMP, Bangalore

Project Name : Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.

Agency : Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.

Customer's Reference : EE(YNK.D)E-PMT-19/W.O/33/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 13-10-18

Sample ID No : 2018-10-13-01 /06

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	10/10/2018	07/11/2018	150.42 X 150.81 X 149.77	22685	7.947	531.1	23.4	23.0
2	M20 Concrete	M20	10/10/2018	07/11/2018	151.95 X 149.77 X 150.14	22757	8.220	509.9	22.4	
3	M20 Concrete	M20	10/10/2018	07/11/2018	150.81 X 150.94 X 149.01	22763	8.471	527.7	23.2	

A.E.E

Note:
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro BANGALORE Sig..... Date.....

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 20/10/2018

Lab ID	:	CP-2018-10-15-01
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-10-18
Sample ID No	:	2018-10-15-01 /03
Customer ID	:	CC Pavements
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/10/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	CC Pavements	M20	13/10/2018	20/10/2018	149.66 X 149.06 X 150.98	22308	8.326	414.5	18.6	18.5
2	CC Pavements	M20	13/10/2018	20/10/2018	150.67 X 150.14 X 149.61	22622	8.498	413.9	18.3	
3	CC Pavements	M20	13/10/2018	20/10/2018	149.40 X 151.94 X 150.98	22699	8.417	423.6	18.7	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/11/2018

Lab ID	:	CP-2018-10-15-01
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-10-18
Sample ID No	:	2018-10-15-01 /04
Customer ID	:	CC Pavements
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	CC Pavements	M20	13/10/2018	10/11/2018	151.78 X 151.99 X 150.63	23068	8.186	544.3	23.6	23.3
2	CC Pavements	M20	13/10/2018	10/11/2018	150.45 X 150.66 X 151.47	22667	8.449	521.3	23.0	
3	CC Pavements	M20	13/10/2018	10/11/2018	149.90 X 149.98 X 149.08	22482	8.148	521.9	23.2	

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Lab ID	:	**CP-2018-10-15-01** **Date: 20/10/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-10-18
Sample ID No	:	2018-10-15-01 /01
Customer ID	:	CC Pavements
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/10/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	CC Pavements	M20	13/10/2018	20/10/2018	151.64 X 149.55 X 149.83	22678	8.002	415.3	18.3	18.2
2	CC Pavements	M20	13/10/2018	20/10/2018	149.63 X 150.97 X 151.94	22590	8.431	410.6	18.2	
3	CC Pavements	M20	13/10/2018	20/10/2018	150.39 X 149.33 X 149.75	22458	7.973	405.2	18.0	

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Lab ID	:	**CP-2018-10-15-01** **Date: 20/10/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore
Project Name	:	Improvements to roads and drains at Maruthinagara 23rd cross roads and surrounding areas in ward No.01 of Yelahanka Sub Division.
Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-10-18
Sample ID No	:	2018-10-15-01 /05
Customer ID	:	CC Pavements
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/10/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	CC Pavements	M20	13/10/2018	20/10/2018	149.65 X 151.61 X 151.76	22688	8.348	429.3	18.9	18.6
2	CC Pavements	M20	13/10/2018	20/10/2018	150.73 X 151.43 X 150.13	22825	7.977	411.9	18.0	
3	CC Pavements	M20	13/10/2018	20/10/2018	150.47 X 151.16 X 150.13	22744	8.389	428.5	18.8	

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Agency	:	Sri. A. Kumarreddy, No.44, Kaverinagara, A Block, Bangalore.
Customer's Reference	:	EE(YNK.D)E-PMT-19/W.O/33/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-10-18
Sample ID No	:	2018-10-15-01 /06
Customer ID	:	CC Pavements
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/11/2018

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	CC Pavements	M20	13/10/2018	10/11/2018	149.06 X 150.10 X 151.93	22374	8.026	533.5	23.8	23.3
2	CC Pavements	M20	13/10/2018	10/11/2018	151.91 X 151.87 X 149.17	23070	8.581	515.7	22.4	
3	CC Pavements	M20	13/10/2018	10/11/2018	149.82 X 149.14 X 149.74	22345	8.234	531.9	23.8	

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